

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR: QSS Group, Inc.		CONTRACT NO./TASK NO.: NASS- 99124 419		AMENDMENT	JOB ORDER NUMBER: 543-839-06-51-89	PC AIR: 00
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TASK TITLE: (NTE 80 characters; include Project name)

Nexus Engineering/Development

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)		DATE	ORG CODE	MAIL CODE	PHONE
Tom Johnson <i>[Signature]</i>		11/7/00	543	543	301 286-1284
BRANCH HEAD		DATE	CODE	PHONE	
James Ryan <i>[Signature]</i>		11/7/00	543	301 286-6003	
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)		DATE	CODE	PHONE	
Robert S. Lehair, Jr. <i>[Signature]</i>		11/13/00	560	301-286-6588	
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? CONTRACTING OFFICER'S QUALITY REP.			DESIGNATED FAM:		
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <small>(If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)</small>			Larry Moore		

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:

Date: NOV 14 2000

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☐ NO ☐ YES ☒ N/A

Government Furnished Property/Facilities: ☐ NO ☒ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO ☒ YES If yes: ☒ TOTAL ☐ PARTIAL
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: ☒ NO ☐ YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

INCENTIVE FEE STRUCTURE (check one)

(See Contract NASS-99124, Attachment K, Incentive Fee Plan)

	<u>X</u> No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ _____.

The target fee of this task order is \$ _____.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ _____.

The maximum fee is \$ _____.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

SIGNATURE OF CONTRACTING OFFICER	DATE	TYPED NAME OF CONTRACTING OFFICER
CONTRACTOR'S ACCEPTANCE:		
AUTHORIZED SIGNATURE	DATE	

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QSS Group, Inc.	NAS5- 99124	419	

Applicable paragraphs from contract Statement of Work: F1,F2,F4,F5.

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The contractor shall provide engineering services to Nexus for the following:

1.0 Conceptual Design & Analysis

- 1.1 Research and help generate requirements for Nexus project elements.
- 1.2 Characterize potential design options, include interface description for various subsystems. This data should show parameters such as data, power, mass, availability of resources, thermal control, acceleration, and loads and vibration environments for launch, on-orbit re-entry, and landing.
- 1.3 Propose and compare options for standard design verses new options. Include launch, on-orbit, and ground handling.
- 1.4 Assist the Project Office in cost and schedule comparisons amongst the options.
- 1.5 Participate in meetings, teleconferences, and reviews.

2.0 Composite Structures Design

- 2.1 Using the data developed in 1.2 and 1.3 above, propose methods for hardware materials, performance, and compatibility with all environments to and from orbit.

3.0 Engineering Design and Production

- 3.1 Assist the Project in design, development, and production of flight and MGSE hardware.
- 3.2 Develop drawings for fabrication and assembly.
- 3.3 Prepare engineering and operations analysis reports.
- 3.4 Develop and conduct I&T and verification.

PERFORMANCE SPECIFICATIONS:

1. Perform design/analysis using NASTRAN and other standards.
2. **Reports and Documents:** Technical performance will be based on thoroughness and completeness of written reports. Acceptable performance is that the ATR is satisfied that the material reflects the proper level of technical expertise and meets the objectives of the activity. Reports shall be delivered to the ATR both as a hard copy and in MS Word, MS Exc., MS PPT format via either diskette or email.
3. **Technical Progress Report:** Acceptable performance is that the ATR is satisfied that he is being kept informed of the status of work performed and of issues requiring his attention.
4. **Management:** Performance will be measured against the following metrics: (1) accomplishment of objectives; (2) clear, incremental progress; (3) responsiveness to issues; (4) efficient and appropriate staffing; and (5) coordination with and good working relationship with ATR and other related contractor efforts, if applicable.

APPLICABLE DOCUMENTS:

None.

TASK END DATE: 6/25/01**MILESTONES/DELIVERABLES AND DATES:**

1. Technical Progress Report: monthly, 15th of the month
2. Conceptual Design Requirements Document: due 4/15/01
3. Potential Design and Comparison Options Report as per SOW 1.2, 1.3, and 1.4: due: 6/15/01
4. Engineering and Operations Analysis Reports: due: 6/15/01
5. I&T and Verification Plan and Procedures: due: 6/15/01

PERFORMANCE STANDARDS:

Schedule: On-time delivery/completion of deliverables/milestones
Technical: ATR's acceptance of the above

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Tom Johnson, Building 29, Room 360